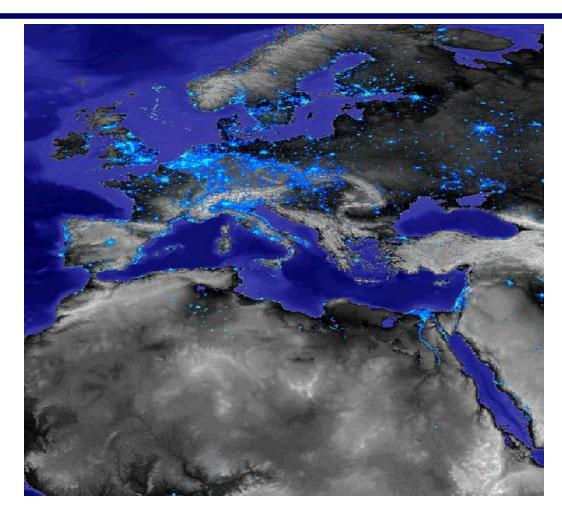


FY04 1st Quarter Program Update

Harold L. Smith Chief, CADD/GIS Technology Center





96.011 - Center Internet & Intranet

Provide up to date information on developments at The CADD/GIS Technology Center.

Status:

- In the process of redesigning the site using a centralized process. This process will allow information to be inter-related and searchable.
- Developing a taxonomy for menu items.
- Consolidate the Foundation Knowledge and the Real Property Management web sites into the Center's.
- Ensuring the site will be compatible with the Corp's new



PI - Drew Anderson

Funding - \$150K



96.013 - Spatial Data Standard (SDSFIE)

Continue maintenance and update of Spatial Data Standard for facilities, infrastructure, & environment (SDSFIE).

Components:

- 1. GIS content schema and customer service
- 2. Software tools
- 3. Meetings and Briefings
- 4. ANSI Standard
- 5. Geodatabase Tools



PI - Nancy Towne

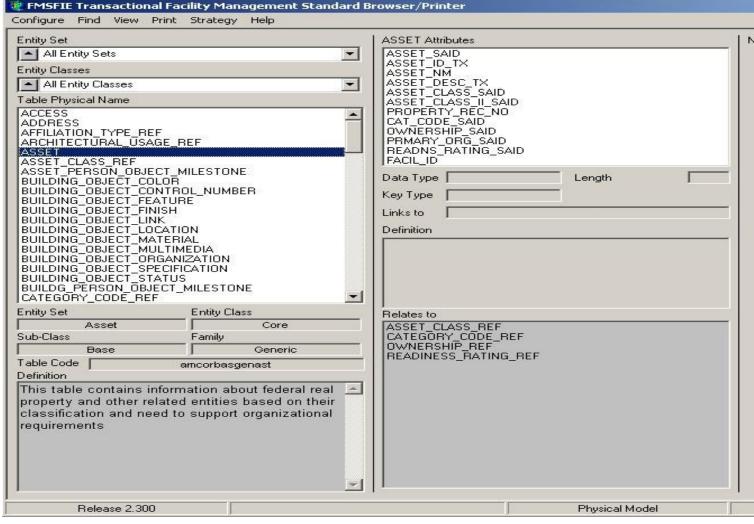
Funding - \$325K



96.015 - Facility Management Standard (FMSFIF)

FMSFIE Release 2.30 Browser

•



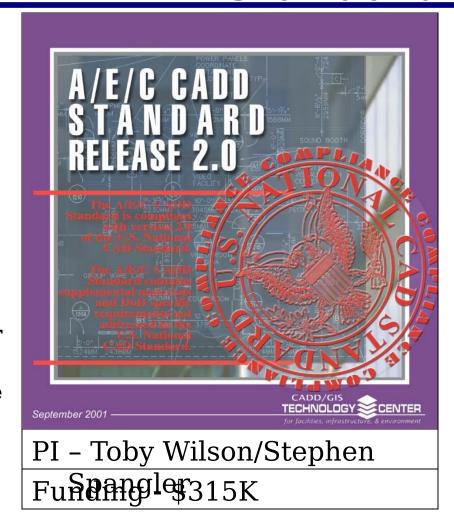


96.017 - A/E/C CADD Standard

The A/E/C CADD Standard is a means of developing consistent CADD files within and between organizations. The A/E/C CADD Standard currently covers 14 disciplines and is compliant with the U.S. National CAD Standard.

Status:

- NetSPEX installed at the Center and Vicksburg District (mirror site). Sacramento District to be added as a mirror site in November. Testing to occur for a year.
- 15 installation requests for NetSPEX Designer from





96.055 - Support of NIBS Facility Information

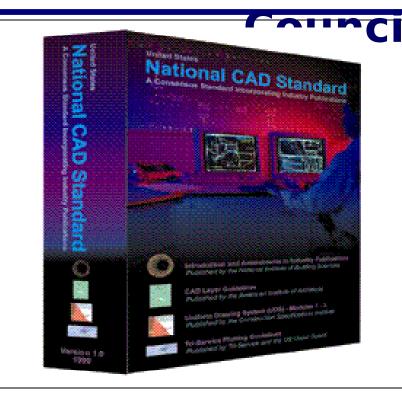
National Institute of Building
Sciences (NIBS) - The direct
involvement of the Center
through standards development
for Government and Industry.

Status:

Several members are participating on five groups.

- D. Horner CADD Council, FMOC, Chair FM Domain of IAI
- T. Wilson CADD Council, Attends Architectural Domain IAI
- S. Spangler/E. Huell (CADD Council Technical Reviewers)
- F. Grobler Chair of IAI PM Domain, US Technical Director

NIBS preparing to vote on Version 3.0



PI - Dave Horner

Funding - \$20k

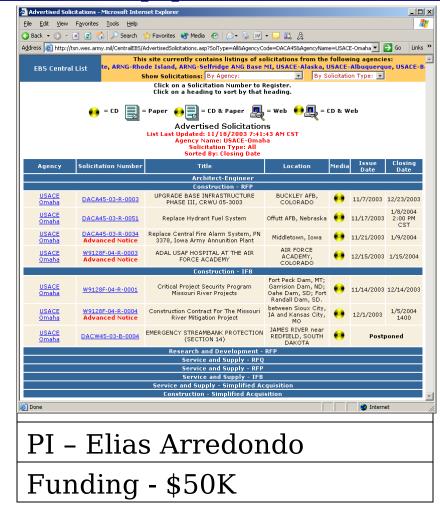


98.190 - Continued Support of EBS

FY03 - Continued to support EBS through out the DoD. Updated ASFI and FedBizOpps posting requirements. Continued to support plan rooms.

Status:

 EBS will transition to consolidated Electronic Contracting System (ECS) site for the Corps.



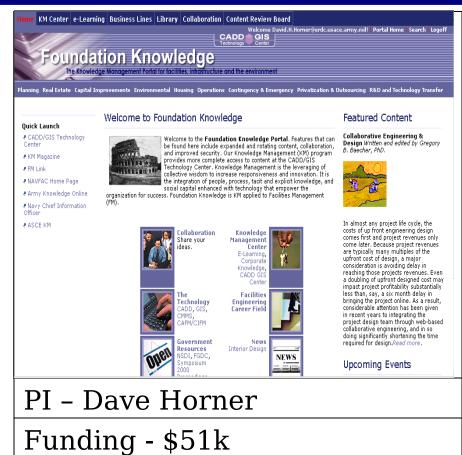


99.021 - Foundation Knowledge Web Portal

Develop a web site to provide end user's information from a business perspective.

Status-03 Finalization:

- •Center is hosting the KM web site and developing a direct integration with the Center's new "portal-based"" Web site.
- Initial schematic design work was completed 3 February 03
- •Further refinement and development includes integration with the TSC (Center's Site&Real Property Sites)-see following slide.
- Had several conference and VTC conversations with CRB to integrate site into Center Site and RPM Site.
- Integrated Web Project with Intranet Technology Project at Center. Project will be part of Web Site in FY04





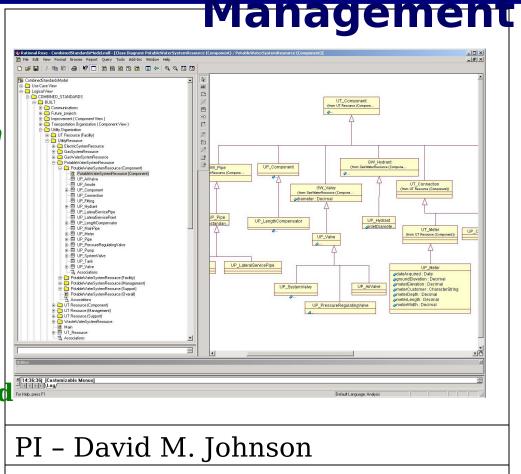
01.039 - Development of a FMS Entity Set for Work

Work Management Entity Set Model

Provide Object based organization of Work Management Business Process.

Status:

- FWG Reviews of previous phases complete.
- Contract awarded September, 2003.
 - Project Kickoff scheduled for December.
 - Planned completion April, 2004.



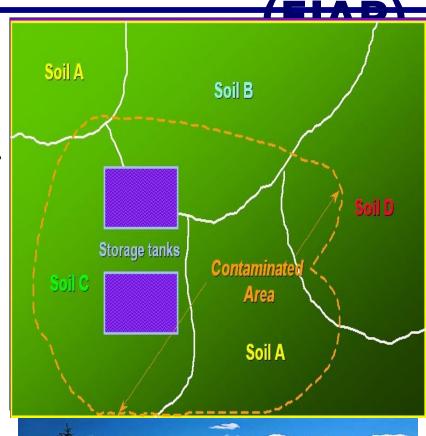
Funding - \$64K



01.040 - Environmental Impact Analysis Process

Fiscal Year 2004 Priorities:

- Web-Based Interactive EIAP Application with Supporting Information:
 - Update EIAP web-based application for Navy/Marine Corps Intranet (NMCI) compliance.
 - Integration and establishment of links to Federal Real Property Management Regulations (RPM) on Center website.
 - Updated User Manual.
 - Complete Project Web Site.
- GIS-Enabled EIAP:
 - Investigate and facilitate partnering with commercial software vendors to support integration of EIAP with SDSFIE compliant GIS.
 - Investigate feasibility of supporting initial development of GIS based







01.044 - Consolidated **Object Strategy**

SDSFIE Object Transformation:

Top Down Approach:

Creating a UML Model structure for common, shared Objects.

Bottom Up Approach:

Creating a UML Model from the current SDSFIE

a two pronged approach has been started to bring the SDSFIE into an Object Model format.

Status:

Initial translation of SDSFIE **Entity Model into a UML** format model.

Initial approach to an exertall

HYICEARE HYICEPIL HYICESNC Logical View DATALINK DATALINK DATALINK E Scalar Types COMBINED_STANDARDS PKICEAREA II. PK ICELINE II. PK SNOWCAP 🖹 🧀 BUILT FKMAP ID: N. FK MAP ID FK MAP ID: N. FKMETA ID: FK META_ID FK META ID : (TR_Component FK MEDIA ID FK MEDIA ID FK MEDIA ID I TR_Management FK COORD ID FK COORD IL FK COORD ID TR_Facility FEAT NAM FKINSTLN IC. FEAT NAM. Transportation FLOW D: (PEAK ELE' FK FACIL ID → Associations FEAT DESC FEAT DES ELEV U D □ □ I Itility Organization AREA SIZE USER FL. AREA SIZE. → □ UtilituBesource AREA U D COORD X AREA U D. UT Resource (Facility) ⊞ Main ⊞ ⊞ Owner PERIM: FL COORD Y PERIM: FLI. PERIM U.E. COORD Z PERIM U.C. → Associations USER FLAG FRCOORE. USER_FLAC [Improvement Future projects FKINSTLN ID FRCOORE FKINSTLN ID Communications FK FACIL ID : FRCOORE. FK FACIL ID : (Associations 🖨 🗀 LEGAL_DESCRIPTIVE GRID VALU TOCOORE. GRID VALU. Cadastre TOCOORE. COORD_X COORD X Auditory COORD Y TOCOORE COORD_Y - Cisual COORD Z GRID VAL COORD Z Demographics Olfactory Cultural <<Unique>>. <<Unique>. <<Unique>>. Land_status <<PK>>> T13 <<PK>>> T. <<PK>>> T10 Association □ NATURAL_ENVIRONMENTAL <<FK>>> T13 <<FK>>> T <<FK>>> T13 - Coil <№on-Identifying>> << Mon-Identifying>> < Non-Identifying>> C Flora - Eauna Ecology EnvironmentalHazards Forestry a Geology Hydrography → Associations ICE AREA PACK ICE LIMIT LINE SNOWCAP AREA DbjectManagement MANAGEMENT PI - David M. Johnson Funding - \$285K



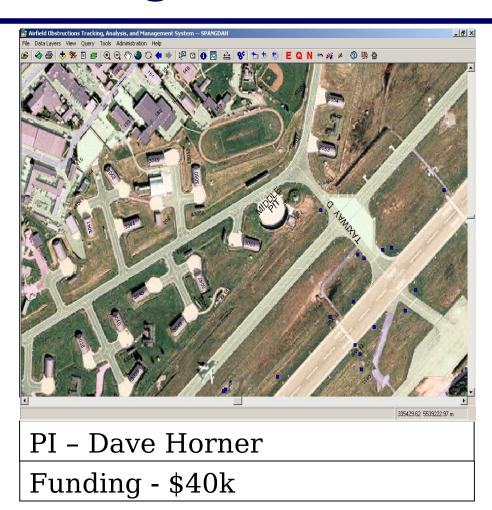
02.030 - Airfield Management Suite

Continuation project -

Development of an Airfield Management suite. Airfield Operations is tasked to manage air space, vehicle traffic, aircraft, runways and related equipment, airfield lighting, parking, obstructions, line of sight analysis, cargo and personnel movement, and pavement inventory.

Status:

 There are two competing applications for managing airfield obstructions – AOMS, and AIROBS. The Air Staff is polling the user's in the field for support towards each product. Col Cullis's group is working to define the support, and determine if one product can be utilized.





02.042 - SDSFIE for Historic Buildings

The purpose of this participation will be to influence Federal policies and standards for spatial data, insure compatibility between Federal and industry spatial data efforts, and incorporate these policies and standards into the Center's standards initiatives.

Significant Accomplishments:
Completed Phase 1 of
reorganization of Historic
Buildings Standard. Phase 1
results were presented at ESRI
User Conference in
Archeological Standards Track.
Stressed life-cycle approach,





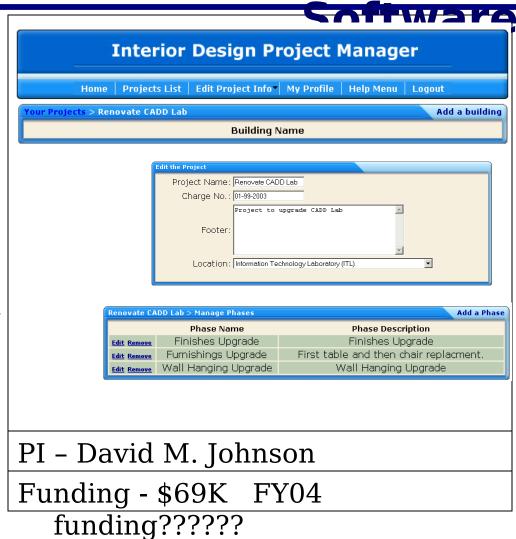
03.009 - Interior Design Furniture Procurement

Interior Design Project Manager

Provide base management of Interior Design Information for federal organizations.

Status:

- First stage complete.
 - Initial Website and team review.
- Next Phase:
 - Incorporation of various federal business process requirements.
 - Final team review.
 - Implementation testing.





03.013 - FEMA Hazard & Disaster Entities in the

Expand and enhance the SDSFIE by integrating FEMA entities and attributes and build data models of these enhancements

Status:

- Completed UML logical data models for FEMA disaster readiness and response.
- Completed correlation of SDSFIE to FEMA disaster readiness and response attributes.
- Completed supporting delta identification spreadsheet for SDSFIE incorporation



PI - Nancy Towne

Funding - \$50k

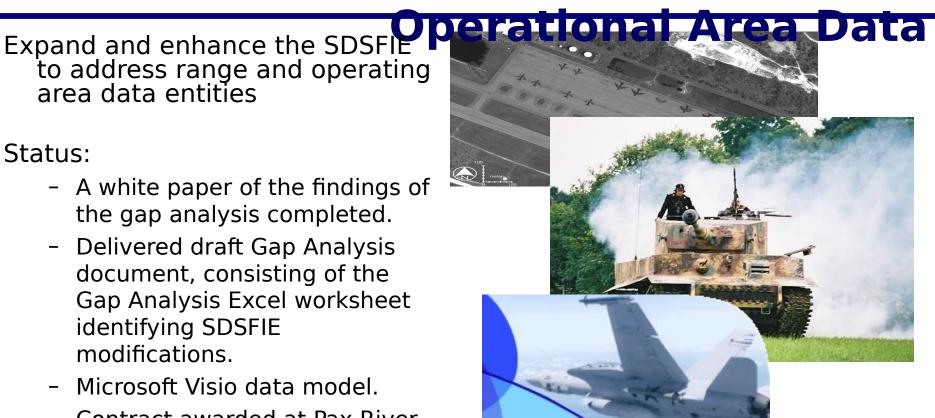


03.019 - Addition of Geospatial Range &

to address range and operating area data entities

Status:

- A white paper of the findings of the gap analysis completed.
- Delivered draft Gap Analysis document, consisting of the Gap Analysis Excel worksheet identifying SDSFIE modifications.
- Microsoft Visio data model.
- Contract awarded at Pax River for GAP Analysis.
- Phase II contract funded.



PI - Nancy Towne

Funding - \$75K/\$40K



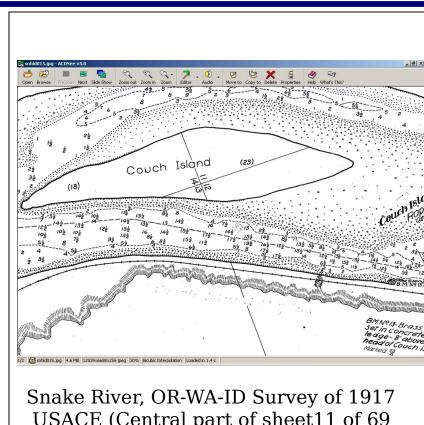
03.036 - Historic & **Digital Map Collection**

Develop process and workflows, recommend viewing tools, numbering system, standard schema for the storage, retrieval and dissemination of historical and modern digital maps. Create a Historical and Modern Digital Map Collection.

Phase 1: Develop a National Standard Meta data schema with QA/QC. Develop the process, recommended workflow, evaluate industry

Status eployable retrieval tools.

Phase 1 - Contract awarded with Phases 2 in proper to Pigital Librarye Phase 3: Expand to include photography etc inventory and need survey.



USACE (Central part of sheet11 of 69

PheetBlaise Grden

Funding - FY 03-\$80K/

FY04-50K



Reimbursable Projects



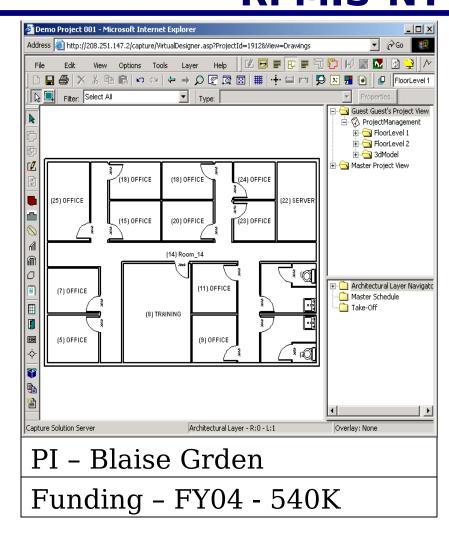
Rental (Recruiting) Facilities Management Information System RFMIS-NT

Funded by Office of the Secretary Defense to provide recruiting facilities for Army, Navy, Air Force, Marine Corps, and Coast Guard (future).

The existing RFMIS will be modernized with new technologies (NT) so that business can be done via the World Wide Web with a single Graphical User Interface (GUI) and database

Status:

- Mods issued total current cost \$4.4m
- Contract approx 40% complete.
- DITSCAP contract awarded





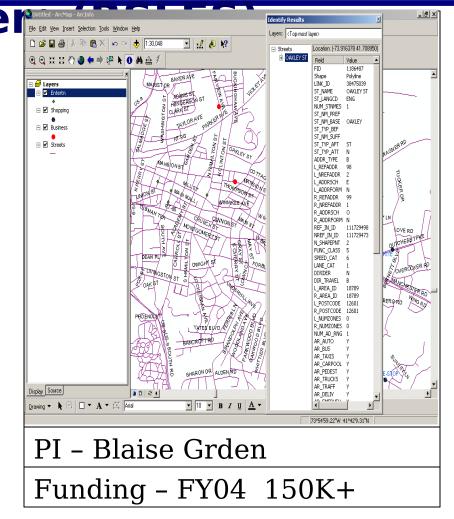
Recruit Station Location Evaluation

RSLES to be Funded by Oslytster location analysis of recruiting facilities for Army, Navy, Air Force, Marine Corps, and Coast Guard (future). RSLES will use GIS software and will be incorporated with RFMIS-NT.

Status:

document

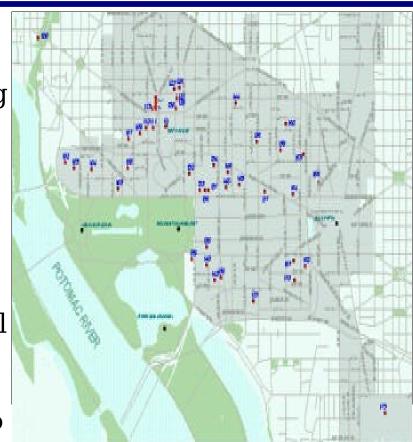
- RSLES Workshop was held at the Center with members from all services and the Real Estate representatives from Corps Districts. September 2004. RSLES was recommended to be updated.
- Request for Proposal from contractor were sent out for an updated RSLES requirements





CADD/GIS Assistance to NIMA

- Provision of technical support by CADD/GIS Technology Center to U.S. National Imagery and Mapping Agency (NIMA) in support of Homeland Security Infrastructure Program (HSIP).
- NIMA and U.S. Geological Service (USGS) have partnered to develop Homeland Security Infrastructure Program (HSIP) Minimum Essential Data Sets (MEDS).
 - HSIP MEDS to serve as source of geospatially accurate information to support federal level readiness, response, and recovery efforts in cases of man-made or natural disasters.



PI - Bobby Carpenter

Funding - \$548.5K

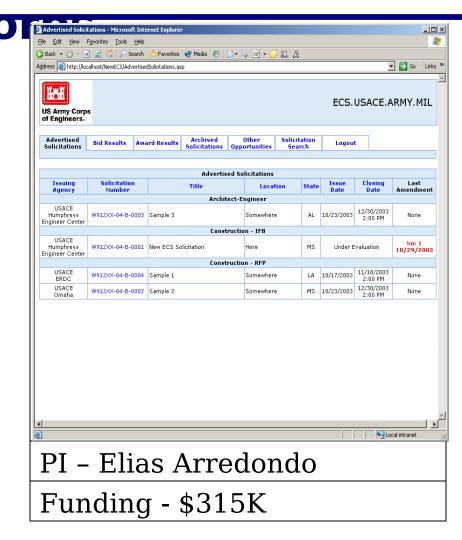


Electronic Contract Solicitations (ECS) for the

In FY04, the EBS web sites will be consolidated into a new ECS web site located at the Center. The new site will be integrated with FedTeDS, ASFI, and FedBizOpps (through ASFI).

Status:

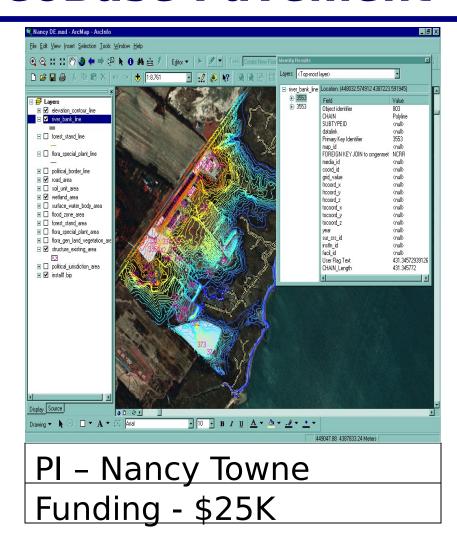
- The regulation establishing ECS has been signed.
- Awaiting approval of funding.
- Transitioning EBS code to ECS.
- Communicating with ASFI and FedTeDS.





FY03 Air Force GeoBase Pavement

- Conducted mini-SDSFIE Training workshop using Air Force pavement GIS data.
- Wrote procedures to manipulate CADD drawings into ArcGIS Geobase.
- Correlated pavement to the SDSFIE
- Migrated pavement CADD data into a SDSFIE AF Geobase.





FY04 Training

Basic & Advanced SDSFIE Implementation Workshops

- Feb 04 Center
- Feb 04 COE
- Mar 04 ITAM
- Apr 04 NGB
- Jun 04 Center
- Aug 04 ITAM
- ▶ Aug 04 Center USACE PROSPECT GIS-GPS Classes -
 - Mar 2004
 - Sept 2004





Smithsonian Support

The Center is providing
Support to the Smithsonian's
Office of Facilities
Engineering and Operations
that includes:

- 1) Development of a BIM (ArchiCAD) model of new National Museum of the American Indian to demonstrate object technology and facility management (underway)
- 2) Support prototype test of Adept document management system (Feb)
- 3) Conduct needs analysis for CADD and GIS



<u>PI – Toby Wilson</u>

<u>Funding - \$180K</u>